

REMARKS

The claims have been amended to more clearly define the invention as disclosed in the written description. In particular, claim 1 has been amended for clarity, while claim 5 has been amended to correct a typographical error.

The Examiner has rejected claim 1 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2002/0044225A1 to Rakib, in view of U.S. Patent Application Publication No. 2001/0021998 to Margulis, and further in view of U.S. Patent Application Publication No. 2002/0002707A1 to Ekel et al., and further in view of U.S. Patent Application Publication No. 2002/0083471A1 to Agnihotri et al. In addition, the Examiner has rejected claim 7 under 35 U.S.C. 103(a) as being unpatentable over Rakib and Margulis and Ekel et al. and Agnihotri et al., and further in view of U.S. Patent Application Publication No. 2004/0250273A1 to Swix et al. The Examiner has also rejected claim 8 under 35 U.S.C. 103(a) as being unpatentable over Rakib, Ekel et al. Margulis and Agnihotri et al., and further in view of U.S. Patent 7,181,757 to Kim et al. and U.S. Patent Application Publication No. 2002/0088723A1 to Ma et al. Moreover, the Examiner has rejected claim 9 under 35 U.S.C. 103(a) as being unpatentable over Rakib, Ekel et al., Margulis and Agnihotri et al., and further in view of Ma et al. Finally, the Examiner has rejected claims 10-13 under 35 U.S.C. 103(a) as being unpatentable over Rakib, Ekel et al., Margulis and Agnihotri et al., and further in view of U.S. Patent Application Publication No. 2003/0182661A1 to Ellis et al.

The Rakib publication discloses a remote control for wireless control of system and displaying of compressed video on a display on the remote.

The Margulis publication discloses an apparatus and method for effectively implementing a wireless television system.

The Ekel et al. publication discloses a system and method to display remote content.

The Agnihotri et al. publication discloses a system and method for providing a multimedia summary of a video program.

Claim 1 includes the limitation "wherein residential gateway system further comprises means for storing video signals and for playing back stored video signals, and said transcoding means transcodes the stored video signals by performing a video content analysis".

The Examiner has indicated "Rakib discloses the a rate shaping circuits as multiple transcoders for transcoding (or compression) video program to match with bandwidth of data path to be available onto LAN (see Rakib, Fig. 5, ¶0092), in combination with Rakib, Margulis modifies a video content analysis transcoded video in suitable format to be processed by subsystem processor (see Margulis, Figs 1, 8, ¶0082 to ¶0086). Therefore, it is the examiner's opinion that the combination of Rakib and Margulis disclose the limitation of "wherein residential gateway system further comprises means for storing video signals and for playing back stored video signals, and said transcoding means transcodes the stored video signals by performing a video content analysis".

Applicants submit that the Examiner's statement regarding Rakib is accurate, the Examiner's statement regarding Margulis is erroneous, in that there is no disclosure or suggestion of "video content analysis in Margulis. In particular, the indicated section of Margulis states:

"[0082] Referring now to FIG. 8, a flowchart of method steps for performing a wireless transmission procedure is shown, in accordance with one embodiment of present invention. In the FIG. 8 embodiment, initially, in step 810, wireless television system 110 provides one or more program sources 112 to wireless base station 156. In step 812, wireless base station 156 differentiates various types of program sources 112 depending on whether the program source(s) 112 include any combination of digital A/V data, analog video, or analog audio information.

"[0083] If program source 112 includes digital A/V data, then, in step 824, wireless base station 156 preferably formats the digital A/V data into an appropriate format, and provides the formatted data to subsystem processor 518 in wireless base station 156. In step 826, subsystem processor 518 responsively processes the formatted data to generate processed data (for example, by transcoding), and then the FIG. 8 process advances to step 818.

"[0084] Similarly, if program source 112 includes analog video, then, in step 814, wireless base station 156 formats the analog video into an appropriate format, and provides the formatted video to subsystem processor 518 in wireless base station 156. For example, ADC/Demod 612 may convert the analog video into an appropriate digital format. Then, in step 816, subsystem processor 518 responsively processes the formatted video to generate processed video, and the FIG. 8 process advances to step 818.

"[0085] In addition, if program source 112 includes analog audio, then, in step 820, wireless base station 156 formats the analog audio into an appropriate format, and provides the formatted audio to subsystem processor 518 in wireless base station 156. For example, ADC 530 may convert the analog video into an appropriate digital format. In step 822, subsystem processor 518 responsively processes the formatted audio to generate processed audio, and then the FIG. 8 process advances to step 818.

"[0086] In step 818, subsystem processor 518 preferably combines the processed audio, video, and data into a processed stream. Then, in step 828, communications processor 636 receives the processed stream generated in foregoing step 818, and responsively performs a wireless network processing procedure to generate a transmitter-ready stream. Finally, in step 830, transmitter 524 receives and modulates the transmitter-ready stream, and advantageously performs a wireless network transmission process to propagate a broadcast stream to remote TV 158, remote controller 310, auxiliary base station 410, or any other compatible receiver device, in accordance with the present invention."

From the above, it should be clear that Margulis merely recites that the video signal may be processed (e.g., digitized if analog), and that the processed video signal may then be subjected to transcoding in subsystem processor 518. Margulis then on page 5, paragraphs [0057]-[0063], describes the functioning of subsystem processor 518. However, there is no disclosure or suggestion that the transcoding is done by performing a video content analysis.

Claim 1 further includes the limitation "wherein said video content analysis analyzes the stored video content, and said transcoding means transcodes the video signal by, alternatively, providing a series of still images and a text summarization of the stored video signals, and providing a series of relevant video clips and audio clips, both based on the content analysis of the stored video signal".

The Examiner has indicated that Agnihotri et al. video content analysis, alternatively, providing a series of still images and a text summarization of the stored video signals, and providing a series of relevant video clips and audio clips.

Applicants concede that Agnihotri et al. discloses such video content analysis. However, Applicants are not claiming the invention of such video content analysis. Rather, Applicants invention is the use of such video content analysis in the transcoding of stored video signals in accordance with the bandwidth restrictions of, for example, the handheld controller.

Applicants submit that none of the remaining references, i.e., Swix et al., Ma et al. and Ellis et al. supply that which is missing from Rakib, Margulis, Ekel et al. and Agnihotri et al., i.e., "wherein residential gateway system further comprises means for storing video signals and for playing back stored video signals, and said transcoding means transcodes the stored video signals by performing a video content analysis".

In view of the above, Applicants believe that the subject invention, as claimed, is not rendered obvious by the prior art, and as such, is patentable thereover.

Applicants believe that this application, containing claims 1, 5 and 7-13, is now in condition for allowance and such action is respectfully requested.

Respectfully submitted,

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